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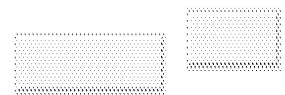
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Video parsing, retrieval and browsing: an integrated and content-based solution
HJ Zhang, CY Low, SW Smoliar... - Proceedings of the third ACM ..., 1995 - dl.acm.org
... Figure 3: **Key-frame**-based hierarchical **video browser**. As we pointed out earlier, another
advantage to using **key-frames** in browsing is that we are able to browse the video content
down to the **key-frame** level without necessarily storing the entire video. ...
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[PS] from gatech.edu

Video parsing and browsing using compressed data
H Zhang, CY Low... - Multimedia tools and applications, 1995 - Springer
... Also, we present content-based video browsing tools which utilize the information, particularly
about the shot boundaries and **key frames**, obtained from parsing. ... Consecutive frames on either
side of a camera break generally **display** a significant change in content. ...
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An integrated system for content-based video retrieval and browsing
HJ Zhang, J Wu, D Zhong... - Pattern recognition, 1997 - Elsevier
... Shape and edge features: Dominant objects in **key frames** represent important semantic content
and are best represented by their ... 7. Keyframebased hierarchical **video browser**. ... in which 71 shots
have been classified using the 64bin color histograms of **keyframes** calculated in ...
Cited by 379 · Related articles · BL Direct · All 4 versions

[PDF] **A hierarchical keyframe user interface for browsing video over the internet**
M Guillemot, P Wellner... - Proc. of the Ninth IFIP ..., 2000 - infoscience.epfl.ch
... component of video <scene> video scene component <shot> video shot component <subshot>
video subshot component <**keyframe**> timestamp value of **keyframe** Table 1 ... The XML-based **video
browser** allows fast browsing of video recordings through multi-level **key-frames**. ...
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[PDF] from epfl.ch

Method for hierarchical summarization and browsing of digital video
K Ratakonda - US Patent 5,995,095, 1999 - Google Patents
... ZOOM PROCESSING ^-44 FINEST LEVEL **KEYFRAME** SELECTION r48 GENERATE **KEYFRAME**
HIERARCHY SUMMARY -50 ALL" SHOTS X/vo PROCESSED ? YES 53 BROWSE r ^42 SHOT
BOUNDARY DETECTION > ALLOCATE NUMBER OF **KEYFRAMES** TO SHOTS ...
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[BOOK] **Indexes for user access to large video databases**
LA Rowe, JS Boreczky... - 1994 - Citeseer
... The Virtual **Video Browser** [12] is a video retrieval system that stores limited bibliographic, actor,
and ... it), 3) visual characteristics such as color, texture, and shape, 4) a few **key frames** that are ...
formats (eg, a table that lists movie titles, a canvas that displays **keyframes** labeled with ...
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[PDF] from psu.edu

Method for hierarchical summarization and browsing of digital video
K Ratakonda - US Patent 5,956,026, 1999 - Google Patents

... Additional steps may include computing histograms for the digital video sequence; detecting
shot boundaries within the digital video sequence; determining the number of **keyframes** to be
allocated within each shot; locating the actual position of each **keyframe** within each shot ...
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Videotrees: Improving video surrogate presentation using **hierarchy**

M Jansen, W Heeren... · Content-Based Multimedia ..., 2008 · ieeexplore.ieee.org

[HTML] from micheljansen.org

... A click on one of the **keyframes** in either browser pane resulted in the video ... the Perceived Level
of Control also influences a user's satisfaction with a given **video browser**. ... We explored the benefits
of hierarchical presentation of **key-frames** in video browsing by presenting and ...
Cited by 5 · Related articles · All 11 versions

Video browser data magnifier

DJ Lloyd-Jones, JR Kowald · US Patent 7,073,128, 2006 · Google Patents

... product comprising a com- puter program for apparatus for conceptually magnifying 2 **video
browser** data, said ... a number of items, where each item is associated with one or more **key frames**,
one of ... allows the user to see the actual content more clearly as the **keyframes** in the ...
Cited by 5 · Related articles · All 4 versions

[PDF] OBVI: Hierarchical 3D video-browsing

K Manske, M Mühlhäuser... · ... of the Sixth ..., 1998 · elara.tk.informatik.tu-darmstadt.de

[PDF] from tu-darmstadt.de

... **Video browser** interfaces must avoid time sequential viewing of the original video (except upon
user ... The Static presentation of **key frames** allows other browsing strategies to be implemented,
like ... Previewing video data: Browsing **keyframes** at high rates using & video slide show ...
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